2831

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT:

Galen M. Gareis

CASE:

6500-1583.2

SERIAL NO.:

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FILED ON:

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FOR:

High Performance Data Cable

Art Unit: 2831

Examiner.: Mayo III, W.

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Assistant Commissioner for Patents Washington D.C. 20231

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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to "Commissioner of Patents and Trademarks, Washington, D.C. 20231" on March 19.2002

Name of person signing Terri Dickinson

Signature _____

AMENDMENT AND RESPONSE

On December 19, 2001, Appliant filed a complete response to the Office Action mailed June 21, 2002. Applicant requests the following additional amendments be entered.

In the Specification

Please amend the specification to amend the below paragraphs to read as shown. A version showing insertions and deletions is attached.

-1-

Match and Return

At page 4, the second full paragraph, lines 18-24; please delete the entire paragraph from the specification.

At page 4 and continuing to page 5, the third paragraph, lines 25-7; please delete the entire paragraph.

In the Claims

Please add new claim 11, 12, and 13 as shown below. A version of the claims showing insertions and deletions is attached.

- 11. A data cable having a plurality of twisted pair conductors and an interior support comprising:
 - a longitudinally extending central portion forming a portion of said support;
 - a plurality of projections radially extending from said central portion;
 - each projection of said plurality of projections being adjacent to two other projections
 - of said plurality of projections, said plurality of projections forming a plurality of
 - adjacent projections;
 - a different passage defined by each of said plurality of adjacent projections;
 - only one twisted pair conductor from said plurality of twisted pair
 - conductors disposed in each different passage defined by each of said plurality of
 - adjacent splines;
 - each twisted pair conductor having a first insulated electrical conductor and a second
 - insulated electrical conductor, said first and second insulated conductors twisted about
 - each other to form a twisted pair.
- 12. The cable of claim 11 wherein said passage is a passage slected from a group consisting
 - of a channel, a groove, and a duct.
- 13. The cable of claim 11 wherein said projection is a projection selected from a group
 - consisting of a prong, a spline, and an arm.

Remarks

The present new claims 11, 12, and 13 are allowable over the cited prior art. None of cited prior art teaches the use of an interior support to space twisted pairs. Claims 11, 12, and 13 are allowable.

Respectfully submitted,

Date: Na 19 2007

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

In the Claims

- -11. A data cable having a plurality of twisted pair conductors and an interior support comprising: a longitudinally extending central portion forming a portion of said support; a plurality of projections radially extending from said central portion; each projection of said plurality of projections being adjacent to two other projections of said plurality of projections, said plurality of projections forming a plurality of adjacent projections; a different passage defined by each of said plurality of adjacent projections; only one twisted pair conductor from said plurality of twisted pair conductors disposed in each different passage defined by each of said plurality of adjacent splines; each twisted pair conductor having a first insulated electrical conductor and a second insulated electrical conductor, said first and second insulated conductors twisted about each other to form a twisted pair. —
- -12. The cable of claim 11 wherein said passage is a passage slected from a group consisting of a channel, a groove, and a duct.—
- -13. The cable of claim 11 wherein said projection is a projection selected from a group consisting of a prong, a spline, and an arm.—

In the Specification

At page 4, second full paragraph, lines 18-24; please deleted the entire paragraph from the specification as follows:

[Some cables have used supports in connection with twisted pairs. These cables, however, suggest using a standard "X" or "+" shaped support, hereinafter both referred to as the "X" support. The

standard "X" support is completely different than this support. Protrusions extend from the standard "X" support. These protrusions have substantially parallel sides.]

At page 4, and continuing to page 5, the third paragraph, lines 25-27 should be amended as follows:

[The prongs or splines in this invention provide a superior crush resistance to the protrusions of the standard "X" support. The superior crush resistance better preserves the geometry of the pairs relative to each other and of the pairs relative to the other parts of the cables such as the shield. In addition, the prongs or splines in this invention preferably have a pointed or slightly rounded apex top which easily accommodates an overall shield.]